

# Hawaiian Gazette.

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HONOLULU, TUESDAY, FEBRUARY 8, 1887.

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## Hawaiian Gazette

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Commencing August 2nd—To Lanai, Kamalo, Pukou, Lanai, Oahu, returning to Lahaina, Pukou, Kamalo, Lanai, arriving at Honolulu Sunday morning.  
The Company will not be responsible for any freight or packages unless receipted for, nor for personal baggage unless plainly marked. Not responsible for money or jewelry unless placed in charge of the Purser. All possible care will be taken of Live Stock, but the Company will not assume any risk of accident.

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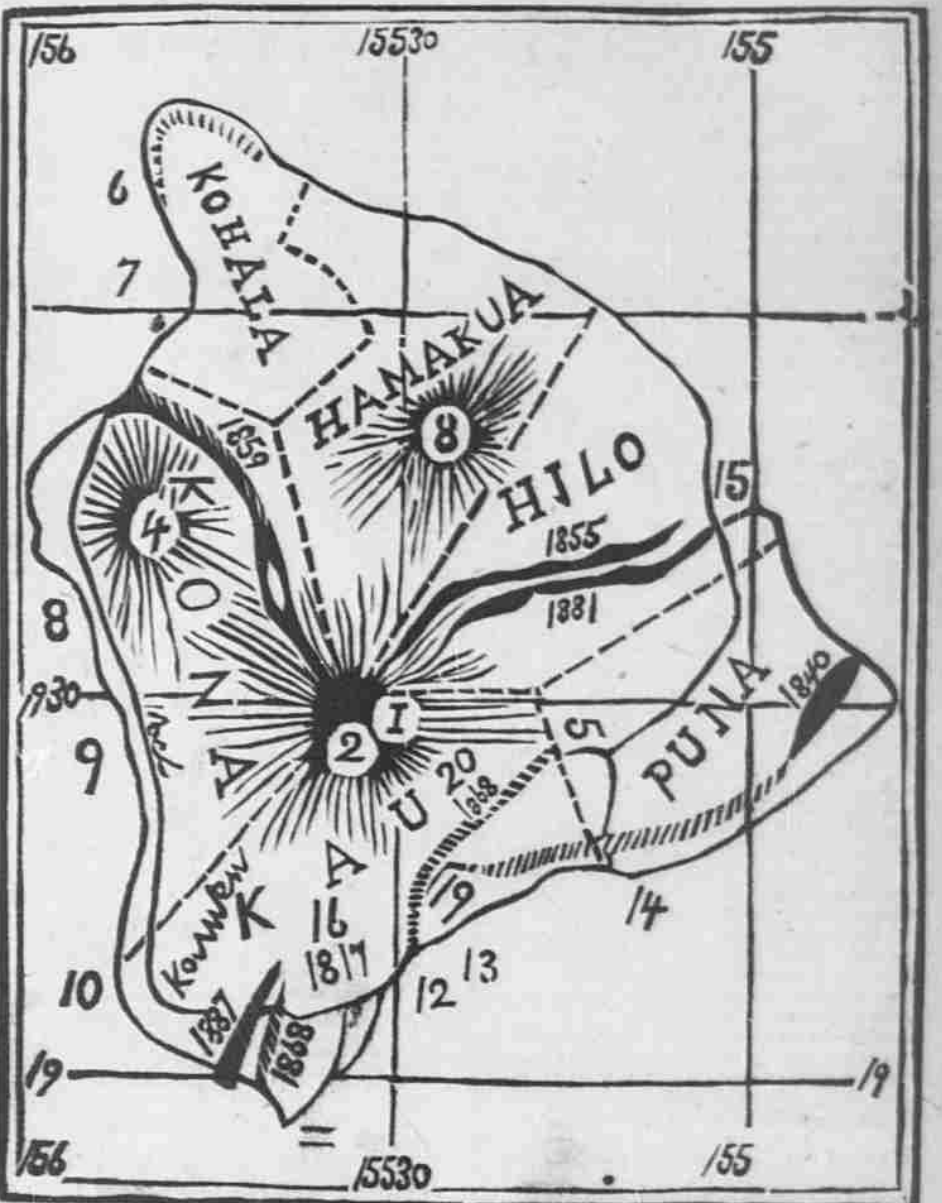
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## HAWAII'S GREAT WONDER!

## THE LAVA FLOW OF 1887!

### MAP OF HAWAII SHOWING THE RECENT FLOWS.



### TABLE OF REFERENCE:

No. 1—Summit Crater of Mokuawewe.	No. 12—Honouliuli landing.
No. 2—Mauna Loa, 13,679 feet.	No. 13—Punaluu landing.
No. 3—Mauna Kea, 14,680 feet.	No. 14—Keauhou landing.
No. 4—Mt. Hualalai, 8,475 feet.	No. 15—Hilo Bay and village.
No. 5—Kilauea Iki.	
No. 6—Maunakona—terminus of Kohala R. R.	
No. 7—Kauai Bay.	
No. 8—Kauai anchorage.	
No. 9—Kealahou Bay—where Captain Cook was killed.	
No. 10—Hills of Pele.	
No. 11—Lae Cape—southernmost point of Hawaii.	
	PLACES IN KAU.
	No. 16—Hilo landing.
	No. 17—Waiohinu.
	No. 18—Jones' Ranch—two miles from the new flow.
	No. 19—Pahala Plantation.
	No. 20—Mud flow of 1888.

The lava flows are marked in black and dated.

## THE STORY OF THE FLOW.

Now that the great Lava flow has ceased, or at all events has taken a rest, one can collect together in some more tangible form the scattered information written hastily and often under great excitement.

In order to give its readers as clear an idea as possible of the position of the Flow, and of the places so frequently referred to in the account, the GAZETTE has had a sketch map prepared. The art of wood engraving is not one which has made any great strides in Hawaii, but a Chinaman was found, who had some tools and who undertook the work. Considering the difficulties he had to contend with, among them being the fact that he could not speak a word of English, we think he did tolerably well.

The district of Kau in which the flow occurred occupies the Southernmost portion of Hawaii, the largest and most Southerly of the Hawaiian Group. The South Eastern portion of the district is fine cane land, and some of the largest and most productive of the plantations are situated there. The Western part contains pasture land. At a distance of a few miles from the shore, the forest commences and rolls up the sides of the mountain for twenty miles or more. The summit active crater of Kilauea, map, No. 1, is situated just on the boundary between Kau and Puna on the slope of Mauna Loa, a huge dome-shaped mountain which slopes into five out of six of the districts of Hawaii. This is the crater so frequently visited. The summit crater of Mokuawewe, 13,500 feet above the sea level (map, No. 1) is rarely visited, the journey being long and arduous. It is from this summit crater that the flows 1851, 1855, 1859, 1868, 1881, and 1887, have originated. The Lava does not boil over the lip of the summit crater, but finding some weak spot in the mountain side, bursts through and rushes with irresistible force down the mountain side.

A bright light and a column of fire was first observed from the summit crater of Mauna Loa on the night of Sunday, January 18th by observers from Hilo (map No. 15), Mahukou, (map, No. 6) and from Waiohinu, Hiles and Pahala (Nos. 17, 18, 19) in Kau. The time was about 9 p.m. Shortly after 11 p.m. the fire died down, and the above the sea level no light was observed. But that volcanic disturbance was going on on a grand scale became evident to the inhabitants of Kau, for earthquakes came with most unpleasant frequency. Mr. Jones, proprietor of the Kahuku ranch registering 385 well defined shocks from 2:12 a.m. of the 17th to sundown of the 15th, when for a time the shocks ceased.

Meantime the lava had evidently been working its way down the mountain by an underground passage and at 7 p.m. of the 18th it burst forth from the ground about 10 miles N. W. of the Kahuku ranch (map, No. 15). Sheriff Smith visited the head of the flow on the 19th. The lava was coming forth from a crack, which by pacing he estimated at three-quarters of a mile in length and having an average width of not more than 25 feet. This extended up the mountain, trending a little towards the east. About a quarter of a mile above the main crack, was a cone, the side towards the sea caved in. From this lava was boiling up, and disappeared quickly and running underground, reappeared in the crack. From this one another crack extended pointing forth and use smoke, and extending up the mountain for two miles and a half. This Mr. Smith followed. On reaching the end he had a view up the mountain and saw masses of smoke pouring from a group of cones, known as Pohakouhale, situated close to the crater of Mokuawewe, and there in all probability was the real source of the flow. The length of the flow is estimated at twenty miles, and this distance the lava ascended in two days, reaching the sea on the evening of January 20th. The stream continued running till Saturday night, the 24th, when, as will be found described below, there was a river of fire, distinctly visible, the whole length of the flow. The main fountain continued playing for some days after, but the flow itself rapidly cooled over, and on the evening of 1st of February was only marked by a spot or so of light. The liquid lava, however, continued to run under the crust probably in a narrow pipe or channel.

After the violent shocks of January 17th, 18th and 19th, there was a cessation of earthquakes, though slight tremors were felt, till Sunday, January 23d, when several very severe shocks alarmed all the inhabitants of Kau, who, according to the report of Mr. Foster, Manager of Pahala Plantation, a man of iron nerve and calm judgment, passed "a night of terror." These shocks were felt and recorded in Hilo, Hamakua and Kohala; the other districts are little settled, and have not been heard from, but the whole island must have been shaken. Mr. Jones, of the Kahuku Ranch, writes that at 3:30 a.m. of the 25th a heavy rain was felt, and three shocks occurred on the 26th. Since then, to February 2d, the date of his last letter, no shocks had been felt. We may add that Pele, so often named by our correspondents, is the name of the Hawaiian Goddess of Fire—the genius of Maunaloa's furnaces.

THE FLOW BY NIGHT.

We are indebted to Major Benson, U. S. A., for the following account of the flow, as seen from the steamer W. G. Hall, which left Honolulu on Friday, January 28th, reaching the Kau coast on Saturday evening. The Major was also one of the few who rode to the source. The Major says:  
On the afternoon of Saturday the 29th, we just came in sight of the flow. General dissatisfaction prevailed, but toward night the scene brightened and many apologies were due to Pele, and now commenced eager exclamations of excitement as with the increased darkness point after point of fire was developed along the course of the flow until a culmination of this wonderful sight was reached about 2:30 a.m., when from the titanic cauldron at the head were belched forth masses of liquid fire one hundred and fifty feet high, and